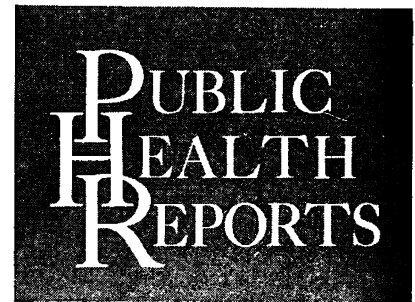


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PUBLIC HEALTH MONOGRAPH No. 55 . . . Calculating home range and density of small mammals. <i>John B. Calhoun and James U. Casby</i> 24 pages. A summary and information on availability appear on page 1143.	



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U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
ARTHUR S. FLEMMING, *Secretary*
PUBLIC HEALTH SERVICE
LEROY E. BURNEY, *Surgeon General*

Signs

and

Symptoms

of Trends in Public Health

"How To Be a Nursing Aide in a Nursing Home," a manual produced by the Public Health Service and the American Nursing Home Association, will be used by the Army as a text for inservice education in hospitals.

« »

Improvement in sanitation of food stands operated by the blind resulted from recent Public Health Service inspections in Federal buildings in Denver, Colo.

Responding to a specific request by the General Services Administration, the inspectors found that sandwiches with perishable fillings were not being properly refrigerated. Mechanically refrigerated display cases were promptly procured by the Colorado Division of Rehabilitation for the Blind. By this action, blind operators have increased the number and variety of perishable products offered for sale, with a consequent improvement in sales.

« »

A survey by the North Carolina Industrial Commission unearthed the fact that, over a 24-month period, 75 percent of the accidents happened to workers who had not eaten breakfast. The largest number of injuries occurred at 10 a. m.

« »

Portable kerosene heaters are prohibited at farm labor camps in New York State by an amendment to the State Sanitary Code. Approximately 35,000 migrants who work in more than 1,060 farm labor camps in the State each year will be affected.

Applicants for permits to operate camps will have to apply at least 30 days prior to the first day of opera-

tion, rather than 15 days as at present, according to another amendment.

Other amendments require hot and cold water at all bathing facilities of camps having a capacity of more than 25 people; heating facilities at camps occupied between October 1 and May 1; fire-resistant construction of new dwelling units housing 3 or more families or 15 or more persons; a minimum sleeping area of 40 square feet per person; and screens on all windows and exterior openings of living quarters.

Some of these changes are effective in 1959, others not until 1962.

« »

In Columbus, Ohio, the editors of the Ohio State Department of Health's monthly magazine left the beaten trail in September 1957 to produce an issue composed entirely of letters of inquiry from the public and answers to these letters by members of the health department's staff.

« »

With the aid of Hill-Burton funds, some States are allocating 36 percent of all new beds to chronic facilities, including nursing homes.

« »

Getting On—Safely, a recent 12-page publication of the National Safety Council, emphasizes special environmental aids and personal practices which can be used to prevent those types of accidents to which persons in the over-65 year age bracket are particularly susceptible.

The pamphlet is directed to the older person. A separate insert sheet, When An Elderly Person Lives With You, offers suggestions

to the younger adult who has the responsibility for the care of an elderly person.

Single sample copies are available, without charge, from the National Safety Council.

« »

Permits from the New York Department of Public Works are now required for industries that discharge industrial wastes into sewers which lead to sewage disposal or pollution control plants. Alcohols, antibiotics, arsenic, iodine, copper and copper salts, fluorine, formaldehydes, mercury, silver and silver compounds, zinc compounds, and such agents as nitrates and sulphides may be discharged into the sewer system only when diluted by other sewage to meet set standards. Eventually, fees will be charged for treatment of commercial wastes.

« »

Pamphlets entitled "Problems in Intercultural Health Programs," by George M. Foster, "Social Status and Public Health," by Ozzie G. Simmons, and "Effects of Social and Cultural Systems in Reactions to Stress," by William Caudill, were published by the Social Science Research Council, New York, N. Y., during the spring of 1958.

The Committee on Preventive Medicine and Social Science Research, appointed by the council, commissioned the publication of these pamphlets. Harold F. Dorn and H. van Zile Hyde of the Public Health Service were members of the committee.

« »

Aruba, a Caribbean island, has installed a \$10 million steam distillation plant to derive fresh water from the sea. The plant extracts 2,700,000 gallons daily at a cost of about \$1.50 per 1,000 gallons. (Domestic water usually costs 10 to 25 cents per 1,000 gallons.)

« »

"Water Fluoridation: Facts Not Myths" and "Cell Examination—New Hope In Cancer," Public Affairs Pamphlets Nos. 251 and 252, have been published by the Public Affairs Committee in New York City.

ECHOES from Public Health Reports

TULARÆMIA Francis 1921.¹

I. THE OCCURRENCE OF TULARÆMIA IN NATURE AS A DISEASE OF MAN.

By EDWARD FRANCIS, Surgeon, United States Public Health Service.

Tularæmia is a specific infectious disease due to *Bacterium tularensis* and is transmitted from rodents to man by the bite of an infected blood-sucking insect or by the handling and dissection of infected rodents by market men² or laboratory workers.³

As observed in Utah in the months of June, July, and August, the disease is initiated by the bite of an insect, most probably the blood-sucking horsefly, *Chrysops discalis*, which previously has bitten a jack rabbit infected with *Bacterium tularensis*. Following the fly bite on some exposed surface of the body (neck, face, hands, or legs) onset is sudden, with pains and fever; the patient is prostrated, is confined to bed; the lymph glands which drain the bite become tender, inflamed, and swollen, and common to the region requiring incision. The fever is of a septic type, lasting for six weeks, and convalescence is slow.

Probably two dozen cases occurred in each of the years 1917, 1918, 1919, and 1920, but only one is known to have terminated fatally. The chief interest in tularæmia is its ability which accepts the form of three main types: Tularæmia, Tularemia, and Tularemia.

JANUARY
VOLUME
NUMBER

CONTAINING INFORMATION ON
PREVALENCE OF DISEASE, THE
AND CONTROL OF DISEASE
RELATED SUBJECTS

UNITED STATES PUBLIC HEALTH
REPORTS
ISSUED WEEKLY
BY THE
TREASURY

JULY 29, 1921, pp. 1731-1738

Dr. Edward Francis figured prominently in identifying tularemia as a disease of man and in delineating the method of transmission in nature.

1958 INDEX

Public Health Reports

Volume 73, January–December

and

Public Health Monographs

Numbers 51–55

THIS INDEX to *Public Health Reports* and Public Health Monographs is divided into a subject index and an author index.

The subject index carries one or more entries for each item published. In addition to the subject headings, categorical headings include ANNOUNCEMENTS (ORGANIZATIONS, PERSONNEL, and SCHOOLS), CONFERENCE REPORTS, DEATHS, FILMS AND FILMOGRAPHS, FRONTISPIECES, LEGAL NOTES, MONOGRAPHS, PUBLICATIONS, and TRAINING COURSES.

Public Health Monographs published concurrently with *Public Health Reports* in 1958 are listed in numerical order under the category heading MONOGRAPHS. The monograph summaries appearing in the journal are indexed under appropriate subject headings.

One asterisk before the page number indicates an original, signed article. The sign of two asterisks, used only in the author index, indicates a monograph. Entries without any symbol may refer to summaries or briefs of papers presented at conferences, narrative conference reports, statements or reports of committees, short reports without authors, or similar items.

Illustrative material on the inside of the front cover of each issue is indexed by month under the heading FRONTISPIECES. It is recommended that the covers be included in a bound volume.

An annual list of Public Health Service publications may be obtained from the Public Inquiries Branch, Office of Information.

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Animal disease and human health (Annals of the New York Academy of Sciences; vol. 70, art. 3; June 3, 1958).....	956	
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Births and neonatal deaths by birth weight: Reporting areas, 1952-54 (Vital Statistics—Special Reports; Selected Studies; vol. 47, No. 1, Dec. 16, 1957)-----	662
Cancer quacks (PHS Pub. No. 559)-----	286
Characteristics of the population with hospitalization insurance, September 1956 (SSA Research and Statistics Note No. 14)-----	959
Clinical Center. Current clinical studies and patient referral procedures (PHS Pub. No. 284, revised 1957)-----	286
Communicable Disease Center. Report of activities (PHS Pub. No. 599)-----	595
Comparative mortality among metropolitan areas of the United States, 1949-51. 102 causes of death (PHS Pub. No. 562)-----	191
Comprehensive program for water pollution control for the Meramec River Basin (PHS Pub. No. 553; Water Pollution Series No. 72)-----	82
Control of domestic rats and mice (PHS Pub. No. 563)-----	474
Control of silicosis in Vermont granite industry (PHS Pub. No. 557)-----	662
Cost analysis for collegiate programs in nursing. Part I. Analysis of expenditures. Part II. Current income and other resources (National League for Nursing and PHS Pub., unnumbered)---	191
Dental service corporation. A new approach to dental care (PHS Pub. No. 570)-----	865
Dermatophytes. New methods in classification (PHS Pub., unnumbered)-----	865
Digest of prepaid dental care plans, 1958 (PHS Pub. No. 585)-----	763
Directory of full-time local health units, 1957 (PHS Pub. No. 118, revised 1957)---	192
Directory of medical and biological research institutes of the U.S.S.R. (PHS Pub. No. 587)-----	764
Directory of State and Territorial health authorities, 1958 (PHS Pub. No. 75, revised 1958)-----	958
Domestic agricultural migrants in the United States; map and table (PHS Pub. No. 540)-----	474
Education, training, and utilization of sanitary engineers (National Academy of Sciences, National Research Council Pub.) 1957-----	662

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Extent of cancer illness in the United States (PHS Pub. No. 547)-----	764
Facts about Indian health (PHS Pub. No. 479, revised 1957)-----	192
Facts about the Federal Water Pollution Control Act of 1956 (PHS Pub. No. 555)---	192
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Farmers' expenditures for health care in 1955. (Agriculture Information Bull. No. 191)-----	958
Food you eat and heart disease (PHS Pub. No. 537; Health Information Series No. 89)-----	286
Gallstones and gall bladder disease (PHS Pub. No. 99; Health Information Series No. 58, revised 1957)-----	474
Good teeth (PHS Pub. No. 405; Health Information Series No. 83, revised 1957)---	474
Good water makes good neighbors (PHS Pub. No. 626)-----	1145
Grants and fellowships (PHS Pub. No. 624)---	1053
Guide to Russian medical literature (PHS Pub. No. 602)-----	958
Handbook of selected biological references on water pollution control, sewage treatment, water treatment (PHS Pub. No. 214, Public Health Bibliography Series No. 8, revised 1957)-----	191
Health insurance coverage by age and sex, September 1956 (SSA Research and Statistics Note No. 13)-----	959
Health insurance in the population 65 and over (SSA Research and Statistics Note No. 17)-----	959
Health statistics from the U. S. National Health Survey. Origin and program (PHS Pub. No. 584-A1)-----	763
Health statistics from the U. S. National Health Survey. Preliminary report on disability, United States, July-September 1957 (PHS Pub. No. 584-B4)-----	957
Health statistics from the U. S. National Health Survey. Preliminary report on number of persons injured, United States, July-December 1957 (PHS Pub. No. 584-B3)-----	763
Health statistics from the U. S. National Health Survey. Preliminary report on volume of dental care, United States, July-September 1957 (PHS Pub. No. 584-B2)-----	568

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Health statistics from the U. S. National Health Survey. The statistical design of the health household-interview survey (PHS Pub. No. 584–A2)	956
Highlights of heart progress, 1957 (PHS Pub. No. 595)	958
Home accident prevention text (PHS Pub. No. 564)	380
Homemaker and related services: A directory of agencies in the United States (PHS Pub. No. 598)	764
Hospital utilization by persons insured and uninsured in September 1956 (SSA Research and Statistics Note No. 19)	959
Housing codes. The key to housing conservation (New York State Division of Housing and U. S. Housing and Home Finance Agency)	956
How to study supervisor activities in a hospital nursing service (PHS Pub. No. 496)	192
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Indians on Federal reservations in the United States. A digest. Billings area (PHS Pub. No. 615, part 2)	1145
Indians on Federal reservations in the United States. A digest. Portland area (PHS Pub. No. 615, part 1)	957
Infant care (Children's Bureau publication)	1100
Manual for nutrition surveys (Interdepartmental Committee on Nutrition for National Defense)	762
Manual of the international statistical classification of diseases, injuries, and causes of death, seventh revision	195
Manual on recordkeeping and statistical reporting for mental health clinics (PHS Pub. No. 539)	568
Meeting community sewage treatment needs under the construction grants program (PHS Pub. No. 558)	191
Municipal water facilities, communities of 25,000 population and over (PHS Pub., unnumbered)	286
National Library of Medicine (PHS Pub. No. 507, revised 1958)	762
Nation's health facilities. Ten years of the Hill-Burton hospital and medical facilities program, 1946–1956 (PHS Pub. No. 616)	958
Nurse in the U. S. Public Health Service (PHS Pub. No. 361, revised 1957)	762

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Older person in the home (PHS Pub. No. 542)	286
One way to develop local home accident activities. (PHS Pub. No. 566)	380
Outline of venereal disease management (PHS Pub. No. 573)	568
Patients and personnel speak. A method of studying patient care in hospitals (PHS Pub. No. 527)	474
Patients in mental institutions, 1955. Parts I–IV (PHS Pub. No. 574)	662
Patients in public hospitals for the care of the mentally ill, 1956–57 (PHS Pub.; Mental Health Statistics; Current Reports Series MHB–H-3)	762
Physicians' handbook on death and birth registration (PHS Pub. No. 593)	1145
Primer for paraplegics and quadriplegics (New York University-Bellevue Medical Center Patient Pub. No. 1)	956
Proceedings, 1957 annual conferences. Surgeon General, Public Health Service, and Chief, Children's Bureau, with State and Territorial health officials (PHS Pub. No. 580)	959
Proceedings of symposium on coccidioidomycosis, 1957 (PHS Pub. No. 575)	764
Public exposure to ionizing radiations. What public health personnel need to know (American Public Health Association)	763
Public health and hospitals in the St. Louis area (American Public Health Association)	1053
Public health nursing service to families. A collection of case studies (PHS Pub., unnumbered)	957
Public health records and related materials (PHS Pub. No. 612)	1053
Public participation in medical screening programs. A sociopsychological study (PHS Pub. No. 572)	662
Public sewage treatment plant construction, 1956 (PHS Pub. No. 549)	82
Published scientific papers of National Institutes of Health, 1957 (PHS Pub. No. 618; Public Health Bibliography Series No. 23)	1145
Rabies: Methods in laboratory diagnosis (PHS Pub. No. 568)	474
Readings in Medical Care (Association of Teachers of Preventive Medicine)	1007
Refuse collection and disposal. An annotated bibliography, 1956–1957 (PHS Pub. No. 91; Public Health Bibliography Series No. 4, supplement C)	959

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Register of air pollution analysis as of January 1, 1956 (PHS Pub. No. 610)-----	1053
Rehabilitation of deaf-blind persons. A manual for professional workers (Industrial Home for the Blind)-----	860, 956
Relationship of marital status to hospital utilization and of insurance ownership to methods of paying for hospital care, year ending September 1956 (SSA Research and Statistics Note No. 25)-----	959
Reported tuberculosis data, calendar year 1955 (PHS Pub. No. 560)-----	191
Research and education in rheumatic diseases. Transactions of the second national conference (Arthritis and Rheumatism Foundation and the National Institute of Arthritis and Metabolic Diseases of the Public Health Service)-----	763
Research attack against cerebral palsy (PHS Pub. No. 552)-----	865
Research grants and awards, National Institutes of Health, 1957 (PHS Pub. No. 571)-----	380
Research publications of the National Heart Institute, January 1953-June 1958 (PHS Pub., unnumbered)-----	957
Review of mental health in industry (PHS Pub., unnumbered)-----	24
School health services. A selective review of evaluative studies (Children's Bureau Pub. No. 362)-----	956
Selected materials on staphylococcal disease (PHS Pub. No. 627)-----	1145
Sewage and water works construction, 1957 (PHS Pub. No. 608)-----	958
Simple goiter (PHS Pub. No. 100; Health Information Series No. 56, revised 1957)-----	474
Socioeconomic characteristics of persons who married between January 1947 and June 1954: United States (Vital Statistics—Special Reports; Selected Studies; vol. 45, No. 12, Sept. 9, 1957)-----	192
Sources of morbidity data, listing number 5, 1957 (PHS Pub. No. 565)-----	380
State occupational health programs (PHS Pub. No. 605)-----	957
State personnel in official and voluntary agencies concerned with agricultural migrants (PHS Pub., unnumbered)-----	763
Statistical summary of sewage works in the United States (PHS Pub. No. 609)-----	1145
Strike back at stroke (PHS Pub. No. 596)-----	764
Summary of health and vital statistics (PHS Pub. No. 600)-----	865
Survey of compounds which have been tested for carcinogenic activity, supplement 1 (PHS Pub. No. 149)-----	380
Taking care of diabetes (PHS Pub. No. 567)-----	762

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Trachoma manual and atlas (PHS Pub. No. 541)-----	865
Training program of the National Institute of Mental Health, 1947-1957 (PHS Pub. No. 603)-----	957
Tuberculosis beds in hospitals and sanatoria, May 1, 1957 (PHS Pub. No. 518)-----	764
20th anniversary of the National Cancer Institute. Commemorative symposium (Journal of the National Cancer Institute, vol. 19, August 1957)-----	82
Uniform definitions of home accidents (PHS Pub. No. 577)-----	762
Urban fringe sanitation. A selected bibliography (PHS Pub. No. 583)-----	474
Using your community's health resources (Dept. Agriculture Rural Research Leaflet No. 5)-----	1145
VD fact sheet, 1957 (PHS Pub. No. 341, revised 1958)-----	959
Vending of food and beverages (PHS Pub. No. 546)-----	764
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CORRECTIONS

✓
MAY, p. 386, table 2 of the article entitled "Ejection and Automobile Fatalities," by Boris Tourin, the total figure for fatally injured persons expected should read 53.32.

✓
JUNE, p. 510, reference 6 of the article entitled "Mass Therapy in Attempted Control of Amebiasis in a Mental Institution," by M. M. Brooke, Ralph H. Heeren, Grace M. Sawyer, and Dortha Stoner, the source should read Am. J. Hyg.